

Cooperation in the Development of the Chemical
Industry, by W. Schirmer, 6 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 52-55.
JPRS 24737

USSR
Econ
Jun 64

260,154

International Socialist Division of Labor in the
Textile Industry, by J. Kotis, 8 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 55-60.
JPRS 24737

USSR
Econ
Jun 64

260,155

Results Achieved by the CEMA Permanent
Commission on Transportation, by
P. Lewinski, 11 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 61-67.
JPRS 24737

USSR
Econ
Jun 64

260,156

International Socialist Division of Labor
and Foreign Trade Among CENIA Countries,
by G. Popisakov, 9 pp.
RUSSIAN, per, Plan Khoz, No 4, 1964, pp 68-73.
JPRS 24737

USSR
Econ
Jun 64

260,157

Actual Problems in Working Out the New
Five Year Plan, by F. Kotov, 16 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 1-12.
JPRS 24924

USSR
Econ
Jun 64

6
261,085

Urgent Tasks in Working out the New Five Year
Plan, by F. Kotoy, 16 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 1-12.
JPRS 26203

USSR
Econ
Sep 64

266,268

Problems of Structural Shifts and of Increases
in the Effectiveness of Public Production ,
by A. Yefimov, 15 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 13-23.
JPRS 25791

USSR
Econ
Aug 64

264,361

The Problem of the Distribution of the
Chemical Industry, by N. Fedorenko, by A. Bayn,
15 pp.
RUSSIAN, per, Plan Khoz, No 5, 1964, pp 24-232.
JPRS 25491

USSR
Econ
Aug 64

265,283

The Reserves of Acceleration of Development
of the Chemical Industry, by A. Kudryavtsev,
16 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 11,-21.
JPRS 25868

USSR
Econ
Aug 64

265,759

Mathematics in Price Planning, by A. Komin,
12 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 29-38.
JPRS 25397

USSR
Econ
Jul 64

263,284

A New Material Incentive System, by O. Kozlov,
11 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 49-55.
JPRS 25616

USSR
Econ
Aug 64

264,210

The Use and Repair of Machinery in Sovkhozes,
by V. Semenov, 13 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964, pp 68-74.
JPRS 26753

USSR
Econ
Oct 64

267,960

Planning Problems in the Liberated Countries
of Asia and Africa, by E. Utkin, 13 pp.
RUSSIAN, per, Plan Khoz, No 6, 1964,
pp 81-89.
JPRS 25256

AFRICA
Econ
Jun 64

262,519

Advantages of Mass Production, by I. Shikhov,
11 pp.
RUSSIAN, per, Plan Khoz, No 7, 1964, pp 27-32.
JPRS 26753

USSR
Econ
Oct 64

267,962

Methodological Problems of the Development of the
New Five-Year Plan, by A. Klinskiy, 7 pp.
RUSSIAN, per, Plan Khoz, No 7, 1964, pp 90-93.
JPRS 26261

USSR
Econ
Sep 64

266,804

Basic Problems of the Development of the Economy
of the Ukrainian SSR, by A. Kochubey, 10 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 1-7.

JPRS 27284

USSR
Econ
Jan 65

271,597

Certain Results and Prospects of the Development
of the National Economy of Belorussia, by S. Malin-
in, 11 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 8-16.

JPRS 27284

USSR
Econ
Jan 65

271,598

Economic Effectiveness of Capital Investments
in the Long-Term Plan, by V. Krasovskiy, 13 pp.

RUSSIAN, per, Plan Khoz, No 7, 1964, pp 17-26.

JPRS 27284

USSR
Econ
Jan 65

271,599

Some Problems of Industrial Distribution,
by N. Nekrasov, 13 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 6-15.
JPRS 27090

USSR
Econ
Jan 65

270,667

Specialization and Disproportion in the Economy
of the Far East, by S. Mikhaylov, L. Yurkevich,
10 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 16/-24.
JPRS 27090

USSR-Siberia
Econ
FE
Econ
Jan 65

270,668

Economic Effectiveness of External Trade,
by G. Smirnov, B. Zotov, et al, 14 pp.
RUSSIAN, per, Plan Khoz, No 8, 1964, pp 25-32.
JPRS 26992

USSR
Econ
Dec 64

269,91#7

Calculating Specific Capital Investments in
Complex Industries, by R. Tikidzhiyev, 12 pp.

RUSSIAN, per, Plan Khoz, No 8, 1964,
pp 38-44.

JPRS 27579

USSR
Econ
Jan 65

272,056

A System of Matrix Models for Intraplant
Planning, by N. Voloshin, 9 pp.
RUSSIAN, per, Planovoy ve Khozyaystvo, No 8,
Aug 1964, pp 60, 65.
JPRS 28267

USSR
Econ
Feb 65

274,040

Increasing the Production of Mineral Fertilizers in
the Urals, by Yu. Zinov'ev, K. Vaysberg and K.
Puzako, 6p.
RUSSIAN, par, Planovoye Khozyaystvo, Moscow, No 9,
1964, pp 7-12
JPRS 271,67

USSR
Econ
Jan 65

271,876

The Use of Pechora Coking Coal in Metallurgical Plants
of the Central Regions of the USSR, by A. Sakharov
and A. Fonanko, 7pp
RUSSIAK, per, Planovoye Khozyaystvo, Moscow, No 9,
1964, pp 13-18
JPRS 27467

USSR
Econ
Jan 65

271,877

The Anticipated Growth of the Tool Industry, by
V. Karitonov, 6pp
RUSSIAN, per, Planovye Khozyaystvo, Moscow, No 9,
1964, pp 16-22
JPRS 27437

USSR
Econ
Jan 65

271,878

Planning the Ratio Between the Rise of Wages
and Labor Productivity, by N. Charykov, 36 pp.

RUSSIAN, per, Plan Khoz, No 9, 1964, pp 24-33.

JPRS 27719

USSR
Econ
Jan 65

272,348

Mechanization of Managerial Labor at a Machine-
Building Enterprise, by I. Zinger, N. Lapshin, 6 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 9, Sept 1964,
pp 63-68.
JPRS 27941

USSR
Econ
Feb 65

272,984

Improvement of the organization of the Material
and Technical Supply of the National Economy,
by I. Burshteyn, N. Maso, 10 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 10,
Oct 1964, pp 1-6.
JPRS 28736

USSR
Econ
Mar 65

276,052

Specialization and Concentration of Foundries in
Moskovskiy Sovnarkhoz, by R. Manilovskiy, 10 pp.
RUSSIAN, per, Plan Khoz, No 10, 1964, pp 60-64.
JPRS 28146

USSR
Econ
Feb 65

273,127

Industrial Railroad Transport: An Important Link
in the Transport System, by T. Lazarenko, 10 pp
RUSSIAN, per, Planovoye khozyaystvo, No 12, Dec
64, pp 10-16.
JPRS 29417

USSR
Econ
Apr 65

277,553

Prospects for Development of the Foodstuff
Industry, by M. Parshikov, V. Shvarts, 12 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No. 12,
December 1964, pp. 32-38.
JPRS 29357

USSR
Econ
Apr 65

277,436

Distribution Of the Electric Power Load, by V.
Ionov, 11 pp
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec
64, pp 38-44.
JPRS 29630

USSR
Econ
Apr 65

279,155

An Econometric Model for Use in Composing Price-Lists,
by A. Matlin, 10 pp.
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec 1964,
pp 45-51.
JPRS 29605

USSR
Econ
Apr 65

278,963

Modern Equipment and Mechanization and Automation
Are the Prerequisites of Increased Labor Produc-
tivity, by V. Strizhov and V. Shelekhov, 6 pp
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec 64,
pp 57-60.
JPRS 29544

USSR
Econ.
Apr 65

277,708

Enterprises Draw-Up Plans for Scientific Organization of Labor [NOT], by G. Kaganov, 5 PP
RUSSIAN, per, Planovoye Khozyaystvo, No 12, Dec
64, pp 60-62.
JPRS 29544

USSR
Econ
Apr 65

271,709

Synthetic Colloidal Solutions Used in Plasma
Substitutes, by I. R. Petrov, A. N. Filatov, 54 pp.

RUSSIAN, ~~am~~ bk, Plazmozameshchayushchie Rastvory,
Chapter 9, 1958,

Navy Tr 3250/NMS 737

Sci - Med

Nov 62

217,527

(DC-6438)

Planned Regulation of the Wages of Engineering-
Technical Workers and Employees, by V. I. Markov,
175 pp.

RUSSIAN, bk, Plannovyye Regulirovaniye Zarabotnoy
Platy Inzhenerno-Tekhnicheskikh Rabotnikov I i
Sluzhashchikh, 1961, pp 1-127.

JPRS 11992

181. 247

USSR
Econ
Jan 62

PLANNED EXPENDITURES FOR SOVIET RESEARCH
INSTITUTIONS, BY L. V. POTSKHIN, I. B.
ROZENFELD, ET AL, 35 PP.

RUSSIAN, BK, PLANOVYYE RASKHODY SOTSIALISTICHESKIKH
I KUL'TURNYKH MEROPRIYATIY, MOSCOW, 1962,
PP 193-211.

JPRS 17265

USSR
ECON
JAN 63

220,457

(NY-5148)

Plastic Deformation of Metals, by S. I. Gubkin,
426 pp.

RUSSIAN, book Plasticheskaya Deformatsiya Metallov,
Vol I, 1960, pp 1-376.

JPRS 9057

DTIC 8-107-1

Sci - Min/Met

Apr 61

146,638

81-5145

Elastic Deformation of Metals, by S. L. Gurevich,
438 pp.

RUSSIAN, bk, Plasticheskiye Deformatsiiye
Metallov, Vol II, 1960, pp 1-416.

JPRS 9220

Sci - Min/Metals

May 61

154,367

(NY-6115)

Plastic Deformation of Metals, 340 pp.

RUSSIAN, bk, Plasticheskaya Deformatsiya Metallov,
Vol III, 1960, pp 1-306.

JPRS 9373

Sci - Min/Metals

Jul 61

158,230

Modern Methods of Increasing the Strength
Properties of Steels and Alloys, by I. M.
Pavlov, G. N. Meldred, Wang Yu-Ming, 21 pp.
RUSSIAN, bk, Plasticheskiye Deformatsiya
Metallor, 1964, pp 3-18.

JPRS 28859

Sci-Mat & Met
Mar 65

275,575

Investigation of Strain Resistance During Plastic
Reformation of Titanium Alloys, by I. M. Pavlov.
PROCEEDINGS, 14. Plastičeskaya Deformatsiya Metallov,
Moscow, 1964, pp 24-27.
*DTIC-65-1067

64-10/11
Jul 64

Zal'kind, Yu. S. and Rostovskiy, Ye. N. THE PREPARATION OF DIETHYL CARBONATE AND ITS USES. [1960] 10p. (refs. omitted). Order from OTS or SLA \$1.10	60-18960 I. Zal'kind, Yu. S. II. Rostovskiy, Ye. N.
Trans. of <u>Plasticheskiye Massy</u> (USSR) 1932, no. 2/4, p. 6-11.	60-18960 161573
DESCRIPTORS: *Carbonates, Ethyl radicals, *Esters, Synthesis	Office of Technical Services
(Unannounced)	

Benzyl Dihydroxyadipate - A New Plasticizer, by S. N.
Ushakov, A. A. Rozenfel'd, 14 pp.

RUSSIAN, per, Plastichiskie Massy, No 3, 1935,
pp 4-8.

Sci Trans Center RT-892

Scientific - Chemistry
CTS/DEX

14,047

Basic Trends of Development in the Plastics
Industry During 1959-1965, by M. I. Garbar,
29 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp 3-9. 9670568

FTD-MCI-728/1

164,287

USER

Econ

Aug 61.

Plastics and Their Employment in the Bread
Baking and Yeast Industries, by N. I.
Tkachev.

RUSSIAN, bk, Plasticheskie Massy i Ikh
Primenenie v Khlebopekarnoi i Drozhzhaevoi
Promyshlennosti, 1963, 224 pp.
NLL RTS 31247 (On loan)

Aug 65

287,194

Plastics in the Electrotechnical Industry, by
A. K. Vardenberg.

RUSSIAN, bk, Plasticheskiye Massy v Elektro-
tekhnikheskoy Promyshlennosti, 3rd Ed., Rev
& Enlg, Polimery v Elektroizolyatsionnoy
Tekhnike, Vol V, 1963, 296 pp.

*FTD-MT-64-281

Sci-Elec
Jul 64

Co-Polymerization of Ethylene With Propylene
in the Presence of Metal-Organic-Metal-Halide
Compounds of Variable Valence, by N. M. Yegorov,
et al.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
p 10.

*ATIC MCL 810

Sci - Chem

28 Feb 61

61-23370

Yegorov, N. M., Andreyeva, I. N. and others.
CO-POLYMERIZATION OF ETHYLENE AND PROPYLENE IN THE PRESENCE OF ORGANIC-METALLIC COMPOUNDS AND HALIDES OF METALS OF VARIABLE VALENCY [1961] [20]p. 10 refs. [DSIR, LLU] M 2962.

Order from OTS or SLA \$1.60 61-23370

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1, p. 10-16.

DESCRIPTORS: *Copolymerization, *Ethylenes, *Propylenes, *Polymers, *Metalorganic compounds, Aluminum compounds, Halides, *Catalysts.

Under conditions of mutual polymerization, ethylene and propylene form a copolymer. The possibility is demonstrated of producing a compositionally uniform copolymer. Results were obtained which characterize the basic laws governing the ethylene-propylene copolymerization process in the presence of organo-metallic (Chemistry--Organic, TI, v. 5, no. 3) (over)

I. Yegorov, N. M.
II. Andreyeva, I. N.
III. DSIR LLU M. 2962

175381

Office of Technical Services

Arkhipova, Z. V., Semenova, A. S. and others.
PRODUCTION OF POLYETHYLENE AT REDUCED
PRESSURES USING CHROMIUM OXIDES ON ALUMI-
NOSILICATES AS CATALYSTS. [1961] [13]p. 9 refs.
[DSIR 1.1.U] M. 2963.
Order from OTS or SLA \$1.60

61-23369

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1,
p. 17-20.

DESCRIPTORS: *Polymers, *Ethylenes, Synthesis,
Pressure, Catalysts, Chromium compounds, Oxides,
Aluminum compounds, silicates

Experiments showed that the major factors determining
the molecular weight and mechanical properties of the
polymer are the polymerization temperature, the cata-
lyst activation temperature and the pressure used in the
polymerization process. The activity of the catalyst is
determined by the conditions under which it is prepared
(Materials--Plastics, TT, v. 6, no. 3) (over)

61-23369

I. Arkhipova, Z. V.
II. Semenova, A. S.
III. DSIR 1.1.U M. 2963

175380

Office of Technical Services

Synthesis of High-Strength Materials Based on
Inoculated Styrene Polymers, by A. V. Golubeva,
et al.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp 21-25.

MLL M. 2964

Sci

Feb 62

186,903

61-23367

Lukovenko, T. M., Li, P. Z., and Akumln, M. S.
 LAMINATED PLASTICS BASED ON GLASS FIBERS.
 PT. I PRODUCTION OF EPOXY-PHENOLIC GLASS
 LAMINATES. [1961] 10p. 7 refs. [DSIR LLU] M 2965.
 Order from OTS or SLA \$1.10 61-23367

I. Lukovenko, T. M.
 II. Li, P. Z.
 III. Akumln, M. S.
 IV. DSIR LLU M 2965

Trans. of Plasticheskie Massy (USSR) 1959, no. 1,
 p. 26-29.

DESCRIPTORS: *Laminated glass, Production,
 *Plastics, Glass, Glass textile, Epoxy resins, Phen-
 olic resins, Resins.

Glass laminates made by using epoxy-phenolic resins
 have a considerable heat resistance. The tensile
 strength of epoxy-phenolic glass laminate after re-
 peated heat treatment for 25 hours at a temperature of
 200°C is 3,000 to 3,600 kg/cm². The tensile strength
 of epoxy-phenolic glass laminate after heat treatment
 varies at 150°C between 1,900 and 2,200 kg/cm²; at
 200°C between 1,700 and 2,200 kg/cm²; and at 300°C
 (Materials--Plastics, TT, v. 6, no. 4) (over)

Office of Technical Services

Gorbunov, V. N.
ON THE PRODUCTION OF UREA-FORMALDEHYDE
RESINS AT ELEVATED TEMPERATURES. [1961]
[6] p. 5 refs. (DSIR L.L.U.) M 2966.
Order from OTS or SLA 51.10 61-23366

Trans. of Plasticheskiye Massy (USSR) 1959, no. 1,
p. 30-31.

DESCRIPTORS: *Urea-formaldehyde resins, Production,
Temperature, Plastics, Resins.

Tests show that the various types of carbamide resin
made by high-temperature condensation constitute use-
ful technical products and have certain valuable techno-
logical properties not possessed by the resins made
under normal conditions.

(Materials--Plastics, TIT, v. 6, no. 3)

61-23366

I. Gorbunov, V. N.
II. DSIR L.L.U. M. 2966

175379

Office of Technical Services

61-23365

Akutin, M. S., Rodivilova, L. A., and Baybakov, K. P.

ON THE TWO-PHASE METHOD OF POLYCONDENSATION. [1961] [8]p. 6 refs. [DSIR LLL] M 2967.

Order from OTS or SLA \$1.10

61-23365

I. Akutin, M. S.
II. Rodivilova, L. A.
III. Baybakov, K. P.
IV. DSIR LLL M 2967

Trans. of Plasticheskoye Massy (USSR) 1959, no. 1, p. 32-34.

DESCRIPTORS: *Condensation reactions, *Polymers, *Amides, Anhydrides, Amines, Chlorides, Acids.

The conditions were studied for the production of polyamides by the two-phase method, using the reaction between the dichloranhydrides of adipic or sebacic acid and hexamethylenediamine. The factors investigated included time of polycondensation, solvent composition, nature of the solvent, and ratio of reagents. The dichloranhydrides of the divalent acids were prepared by reacting the corresponding divalent acids with thionyl chloride.

(Materials--Plastics, TT, v. 6, no. 3)

Office of Technical Services

The New Compact Powder Plastic FAK-4, by
V. A. Zakharov, V. I. Zakharova, G. N.
Hadezhina, 21 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp 44-49. 9670568

FID-MIL-728/1

Sci - Chem

Aug 61

164,288

New Synthetic Glues for the Cementing of
Metals and Non-Metallic Materials, by
D. A. Kardashov, M. V. Sobolevskiy, et al,
33 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1959,
pp ~~15-16~~ 9670568

11-11-1959
FTD-MCI-728/1

Sci - Chem

Aug 61

164, 289

(BF-1332)

Ion-Exchange Membranes, by V. S. Titov, 14 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1960,
pp 55-59.

JPRS 4336

Sri - China

Feb 61

139, 259

63-18895

- I. Title: Melamine-acetone-formaldehyde resins
- I. Kamenskii, I. V.
- II. Smirnova, E. P.
- III. Tsepelev, A. S.

Kamenskii, I. V., Smirnova, E. P., and Tsepelev, A. S.

MELAMINE-ACETONE-FORMALDEHYDE RESINS.

14 Jan 63 [Sp] 6 refs

Order from OTS or SLA \$1.10

63-18895

Trans. of Plastics Inst. USSR (USSR) 1960, no. 2, p. 17-19.

DESCRIPTORS: *Melamine-formaldehyde resins, *Acetones, *Amino plastics, *Laminated plastics, Thermosetting plastics, *Glass textiles, Fire-resistant textiles, Physical properties, Dielectric properties, Condensation reactions

The possibility of obtaining a new form of melamine-formaldehyde (M-F) modifying these with acetone, introduced into the reaction after formation of the hydroxymethyl derivatives of melamine is shown. The M-acetone-F resins synthesized differ from the un- (Materials--Plastics, TT, v. 10, no. 10) (over)

Office of Technical Services

New Polymers of the Catalytic Polymerization of
Organosiloxanes, by K.A. Andrianov, S.I. Dzhanchel'
skaya, Ju. K. Petrashko.

RUSSIAN, per, Plasticheskiye Massy, No 3, 1960,
pp 20-23. 5661814.

ATTC MOL 729/1-2

Sci - Chem
Jun 61

155556

Conversion of Poly(Ethylene Terephthalate) to
Film, by N. V. Andrianova.
RUSSIAN, per, Plast Massy, No 4, 1960, pp 18-27.
ATS-4883

Sci
Dec 68

368,751

1-17(6)

(NY-4789)

On the Production and Application of
Glass-Reinforced Plastics, by I. Trundafilova,
8 pp.

RUSSIAN, per, Plasticheskiy Massy, No 4, 1960,
pp 71-73.

JPRS 5930

Sci - Chem

Nov 60

131,671

63-16977

Glukhov, E. E. and Klaz, S. I.
RHEOLOGY PROBLEMS IN THE MANUFACTURE OF
ARTICLES FROM PLASTICS. [1963] 7p. 20 refs.
Order from OTS or SLA \$1.10 63-16977

I. Glukhov, E. E.
II. Klaz, S. I.

Trans. of Plasticheskii Massy (USSR) 1960, no. 5,
p. 22-25.

DESCRIPTORS: *Plastics, Manufacturing methods,
Fluid flow, Elasticity, Viscosity, Plasticity.

Establishing the behavior patterns of flow should make
it possible to resolve the fundamental technical
problem: determining the optimum operational regimes,
as well as the design of extrusion and die-casting
equipment. The nature of the flow of plastics when
they are utilized in the manufacture of articles from
them is governed largely by the relationship between
the forces of internal and external friction, together
with the relaxational properties. The principal proper-
(Materials--Plastics, TT, v. 10, no. 6) (over)

Office of Technical Services

A Method for Measuring Polymer Decomposition Temper-
atures, by O. Ya. Fedotova, S. A. Zakoshchikov. 9227310
RUSSIAN, per, Plasticheskiye Massy, No 5, 1960, pp 64, 65.
ORR Canada T 420 R

NLL 3546 1965 T-422 R

Sci - Phys
Jun 65

279,621

63-18892

Terent'ev, A. P., Luskina, B. M., and Syavtsillo,
S. V.

DETERMINATION OF CARBON IMPURITIES IN
SILICON-COPPER ALLOYS. 27 Jun 63 [6p] 4refs
Order from CTS or SLA \$1.10 63-18892

Trans. of Plasticheskie Massy (USSR) 1960, no. 5,
p. 65-66.

DESCRIPTORS: *Silicon alloys, *Copper alloys,
*Carbon, *Impurities, Chemical analysis, Quantitative
analysis, *Silanes, *Catalysts.

(Chemistry--Analytical, TT, v. 10, no. 10)

I. Terent'ev, A. P.
II. Luskina, B. M.
III. Syavtsillo, S. V.

Office of Technical Services

Akutin, M. S., Parlashkevich, N. Ya. and others.
PREPARATION OF BLOCK AND GRAFT COPOLY-
MERS WITH THE AID OF A SPARK DISCHARGE IN
A LIQUID. [1960] 6p.
Order from ATS \$9.30

ATS-27M46R

Trans. of Plasticheskiye Massy (USSR) 1960, no. 6,
p. 2-5.

146,910

61-12342

1. Polymers--Synthesis
2. Electric discharges--
Chemical effects
3. Copolymerization
4. Title: Graft copolymers
5. Title: Block copolymers
- I. Akutin, M. S.
- II. Parlashkevich, N. Ya.
- III. ATS-27M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

(Materials--Plastics, TT, v. 5, no. 5)

On the Origin of the Products of the
Pyrolysis of Phenol-Formaldehyde Tar,
by V. D. Moiseyev, M. B. Meyman, 8 pp.
RUSSIAN, per, Plasticheskiy Massy,
No 6, 1960, pp 11-13. 9596618
FTD-TT-64-997

Sci - Phys
Apr 65

278,331

Organic Mineral Concrete with Cement, by V. I.
Itinskiy, I. V. Komenskiy, et al.

RUSSIAN, per, Plasticheskiye Massy, No 6, 1960,
pp 19-22. 9091426

OTE 61-31063/4 7
PL-480

2/1, 2 65

Sci - Mln/Het

Box 62

PST 590

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London W.C.1
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The Use of High Frequency Heating in the
Production of Glass-Plastic Tubes, by
I. G. Fedorova, T. A. ~~1961~~ Shelina, N. L.
Britsyn, ~~1961~~.

RUSSTAE, par, Plasticheskiye Massy, 1961,
No 1, pp 35-37.

OT 77-61-24000
RAE Tr 970

181,301

Sci - Engr

Jan 62

R-847

The Nature of the Strength of Polymers, by Eartenev
and Gul

RUSSIAN, per, Plasticheskiye Massy, No 1, 61, p 54-58

#JPRS/Picatinny Arsenal

Mar 62

(SP-1879)

Problem of Producing the Dichloromethylene of
-Chloroethylphosphonic Acid, by Ye. L. Geftor,
M. I. Kabachnik, 6 pp.

RUSSIAN, per, Plasticheskiye Massy, No 1, 1961,
pp 63-65.

JPRS 4853

540

166, ~~278~~

Sci .. Chem

Sep 61

(SF-1679)

Use of Granulated Wastes From the Chemical Industry
for Combatting Weeds, by V. P. Batyuk, M. Ya. Paliyev:
V. P. Akhmerov, 4 pp.

RUSSIAN, per, Plasticheskiye Massy, No 2, 1961,
pp 1-2.

JPRS 10795

Sci - Chem

Nov 61

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63-18362

Khlopyanskina, M. S., Neiman, M. B., and Moiseev, V. D.

THERMAL DEGRADATION OF POLYMERS. II. COMPARATIVE INVESTIGATION OF GASEOUS OLEFINS RESULTING FROM THE DEGRADATION OF POLYPROPYLENE AND POLYETHYLENE. [23 Apr 63] [15]p. (foreign text included) 17 refs. Order from OTS or SLA \$1.60 63-18362

Trans. of Plasticheskie Massy (USSR) 1961, no. 2, p. 9-12.

DESCRIPTORS: *Polyethylene plastics, Propenes, Pyrolysis, Degradation, Gases, Ethylene derivatives, Chromatographic analysis, Polarographic analysis, *Ozonides, Molecular structure, Molecular isomerism.

A method was developed for the study of the structure of microquantities of gaseous olefins including their (Materials--Plastics, TT, v. 10, no. 11) (over)

1. Title: Polypropylene
- I. Khlopyanskina, M. S.
- II. Neiman, M. B.
- III. Moiseev, V. D.
- IV. Title: Comparative ...

Office of Technical Services

Danyushevskii, A. S.
RETARDATION OF THE DECOMPOSITION OF
POLYVINYL CHLORIDE BY STABILIZERS-
ACCEPTORS OF HYDROGEN CHLORIDE. [1962] 7p.
Order from K-H \$8.75 K-H 12166

Trans. of Plasticheskie Massy (USSR) 1961, no. 3,
p. 35-36.

DESCRIPTORS: *Polyvinyl chloride, Decomposition,
Inhibition, *Hydrogen compounds, *Chlorides,
Stability.

(Materials--Plastics, TT, v. 9, no. 11)

63-12962

- I. Danyushevskii, A. S.
- II. K-H-12166
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

62-10607

Zhivuchin, S. M. and Tolstoguzov, V. B.
CHEMICAL PROPERTIES OF PHOSPHONITRILE
CHLORIDES (Fosfonitrilkhlorid, Ego Poluchenie,
Svoistva i Primenenie). Rept. no. 2 of Phosphonitrile
Chloride, its Preparation, Properties and Application.
[1961] 11p. 54 refs.
Order from OTS or SLA \$1.60

62-10607

Trans. of Plas[icheskie] Massy (USSR) 1961, no. 4,
p. 14-17.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides,
Chemical properties, Hydrolysis.

(Chemistry--Physical, TT, v. 9, no. 11)

I. Zhivuchin, S. M.
II. Tolstoguzov, V. B.
III. Title: Phosphonitrile ...

Office of Technical Services

Zhivukhin, S. M. and Tolstoguzov, V. B.
PRACTICAL APPLICATION OF PHOSPHONITRILE
CHLORIDE POLYMERS, Pt. 3 of Phosphonitrile
Chloride: Preparation, Properties, and Uses. [1961]
6p.
Order from ATS \$10.50 ATS-69N55R

Trans. of Plasticheskie Massy (USSR) 1961, no. 5,
p. 26-28.

DESCRIPTORS: *Phosphonitrile chlorides, Chlorides,
*Polymers, Plastics.

(Materials--Plastics, TT, v. 6, no. 12)

61-25721

- I. Zhivukhin, S. M.
- II. Tolstoguzov, V. B.
- III. ATS-69N55R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.
- V. Title: Phosphonitrile...

JPRS 11036

Office of Technical Services

(SP. 1879)

Exhibition of the Achievements of the National
Economy of the USSR, by G. O. Petrovskiy, 8 pp.

RUSSIAN, per, Plasticheskiye Massy, No 3, 1961,
pp 72-75.

1976 11037

176, 1145

Sci. Eng.

Dec 61

(SF-1879)

The Dielectric Properties From Pressing Materials,
by N. F. Kanavets, L. F. Grigor'yeva, 22 pp.

RUSSIAN, per, Plasticheskiye Massy, No 6, 1961,
pp 13-20.

JPRS 10365

Sci. - Elect.

176, 619.

Dec 61.

(SF-1872)

Results of Tests of Epoxy Resins and Their
Application in Repair, by V. A. Bershtein, 17 pp.

RUSSIAN, per: Plastikheskiye Massy, No 6, 1961,
pp 34-40.

JPRS 10965

175,675

Sci - Chem

Dec 61

Preparation of Linear Polyurethanes
Without Solvents, by V. V. Korshak, et al.
RUSSIAN, per, Plasticheskiye Massey,
1961, No VI, pp 10-11.
NLL 5828.4 1964 (10,551) (On Loan)

Aug 65

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Concerning the Catalytic Polymerization of
Polyorgano-aluminum-siloxanes, by K. A. Andrianov,
S. I. Dzhenchel'skaya, Yu. K. Petrashko, 5 pp. UNCL

RUSSIAN, per, Plasticheskiye Massy, No 7, 1961,
pp 20-21.

CIA/FDD X-4730

Sci - Chem

Oct 61

169, 522

Ratner, S. B., Stinskas, A. V., and
Shpakovskaya, E. I.
LONG-TIME STRENGTH OF PLASTICS. [1961] 11p.
Order from ATS \$16.85 ATS 24N55R

Trans. of Plasticheskie Massy (USSR) 1961, no. 7,
p. 59-65.

DESCRIPTORS: *Plastics, Physical properties.

OTS 62-34286

(Materials--Plastics, TT, v. 6, no. 12)

61-25704

I. Ratner, S. B.
II. Stinskas, A. V.
III. Shpakovskaya, E. I.
IV. ATS-24N55R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Polymer Packaging Films, by S. V. Genel',
D. V. Konovalova, 7 pp.

RUSSIAN, per, Plasticheskiye Massy, No 8, 1961,
pp 43-47.

*ACSI I-8302
ID 2224782

Sci-Chem
19 Mar 63

225,323

(SF-1879)

At the Exposition of Achievements in the National
Economy USSR, by G. O. Tatevos'yan, 15 pp.

RUSSIAN, per, Plasticheskiye Massy, No 8, 1961,
pp 69-75.

JPRS 11386

USSR
Econ
Jan 2 62

178, 53

63-18290

Lokshin, R. F.
WELDING OF THERMOPLASTIC MATERIALS
(Svarka Termoplastov). [1963] [20]p. (foreign text in-
cluded) 17 refs.
Order from OTS or SLA \$1.60

63-18290

Trans. of Plast[icheskii] Massy (USSR) 1961, no. 9,
p. 30-35.

DESCRIPTORS: *Thermoplastics, *Thermal joining,
*Welding, *Bonding, *Heaters, *Gases, *Heat transfer,
*Ultrasonic radiation, *Induction heating, *Infrared
radiation, *Friction, *Sintering, *Fillers, Extrusion

A state-of-the-art survey which includes the following
topics: General problems; contact welding; welding by
heating from a gaseous heat transfer medium; welding
in a high-frequency field; ultrasonic welding; welding by
infrared heating; friction welding; welding by sintering;
and, welding with the aid of an extruded filler.
(Materials--Plastics, TT, v. 10, no. 9)

Office of Technical Services

I. Lokshin, R. F.

(10-8-11)

Plastic and Its Derivatives - A Prospective
Raw Material for the Plastics Industry by
A. I. Korlov, H. Z. Shchegolev, 12 pp.

RUSSIAN, per, Plastikheskiye Massy, No. 2,
1961, pp 47-51.

JPRS 11106

176, 286

USSR
Econ
Dec 61

Tarakanov, O. G. and Gusev, I. G.
THE USE OF THERMISTORS FOR THE DETERMI-
NATION OF MOLECULAR WEIGHTS. 29 Jan 61 [6]p.
5 refs.
Order from OTS or SLA \$1.10

62-14987

Trans. of Plasticheskie Massy (USSR) 1961, no. 11,
p. 47-48.

DESCRIPTORS: *Molecular weight, Determination,
*Thermistors, Polymers, Ethers.

The use of the Miller-Stolten method is promising for
the determination of MW of chemical compounds from
200 to 5000. (Author)

(Chemistry--Analytical, TT, v. 8, no. 6)

62-14987

I. Tarakanov, O. G.
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Office of Technical Services

OXIDATION OF POLYPROPYLENE AT HIGH OXYGEN
PRESSURES, BY V.V. DUDOROV, 11 PP.

RUSSIAN, PER, PLASTICHESKIYE MASSY, NO 12,
1961, PP 3-7.

ACSI 1-1644

ID 2203202

SLA 62-34332

SCI-PHYS

14 AUG 62

206,300